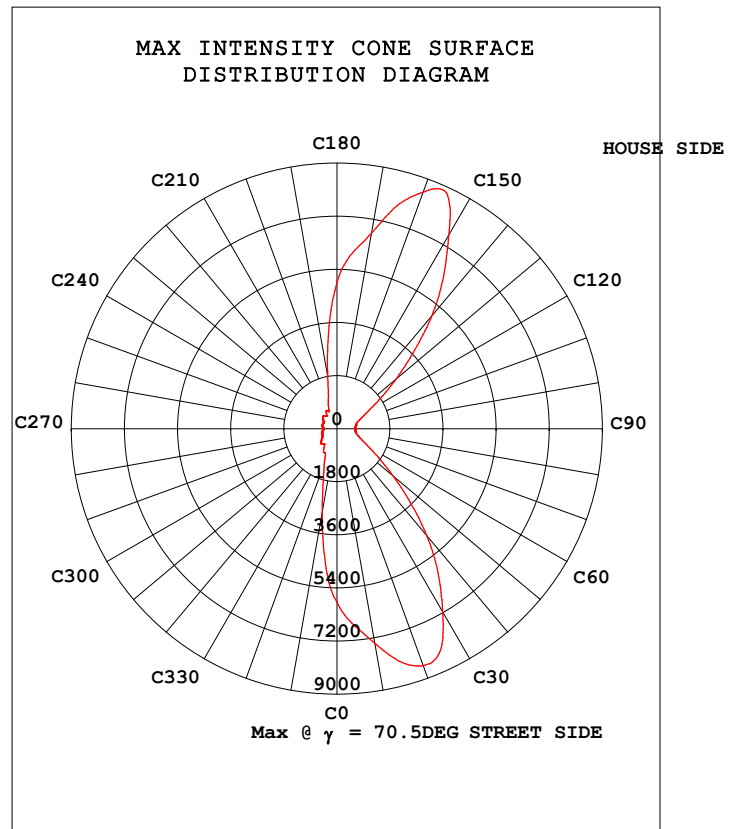
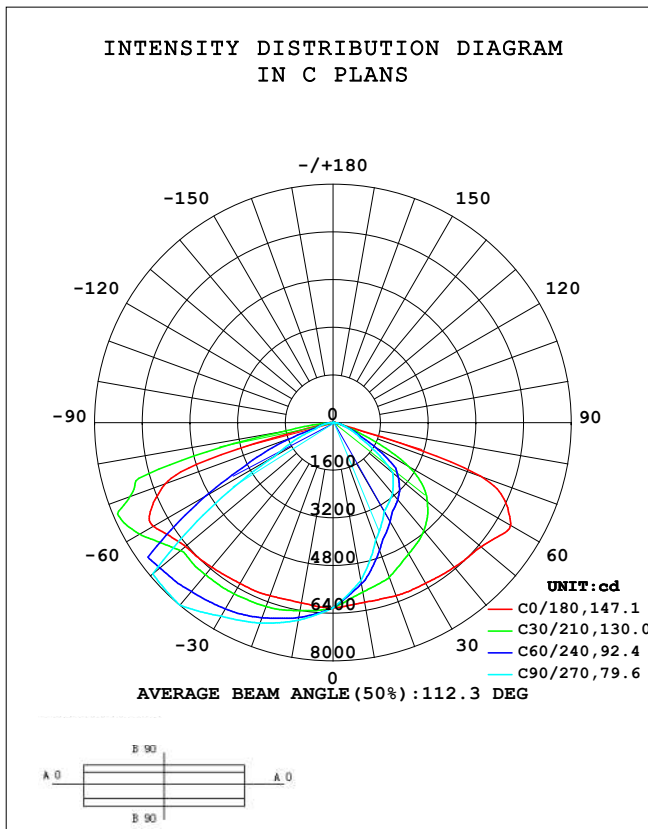


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 150.38 lm/W			
MODEL	LED	Imax (cd)	8808	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	51.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	22545	η house_up (%)	0.0
NOMINAL FLUX (lm)	22544.8	MAXIMUM @ (C, γ)	155,70.5	η house_down (%)	48.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.880



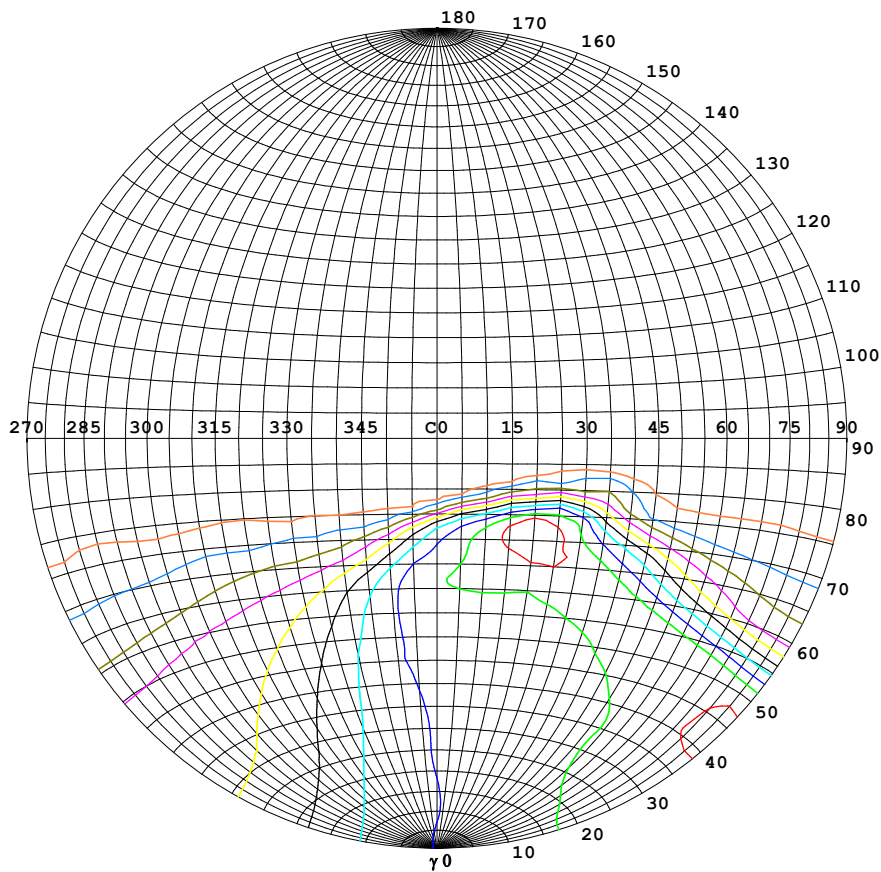
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



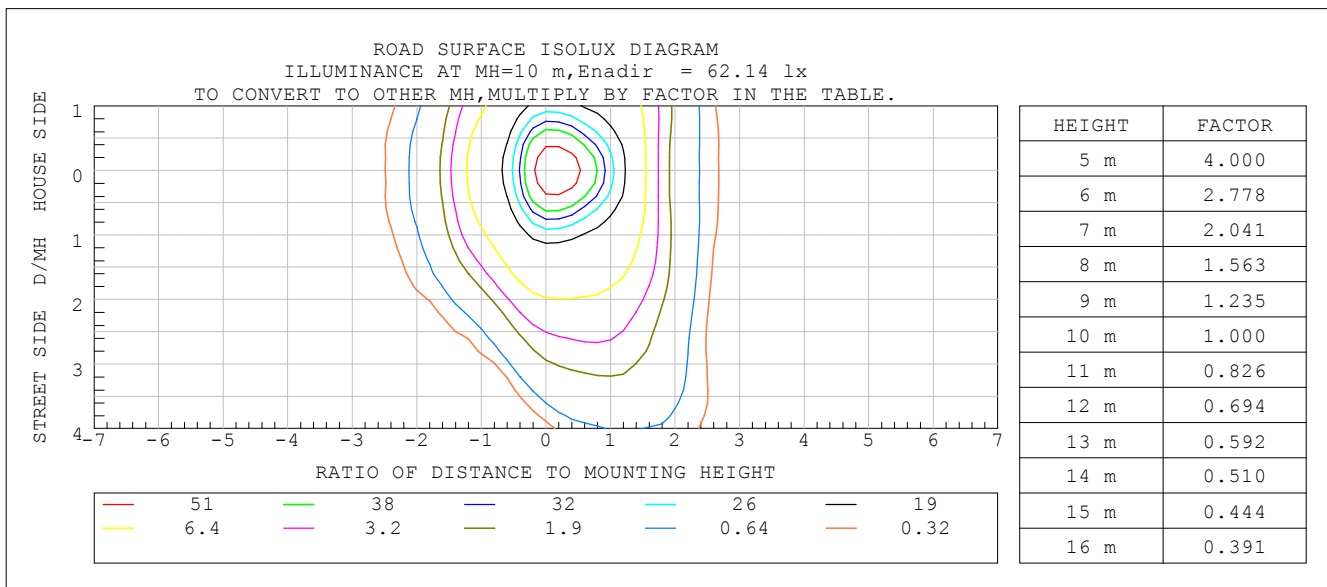
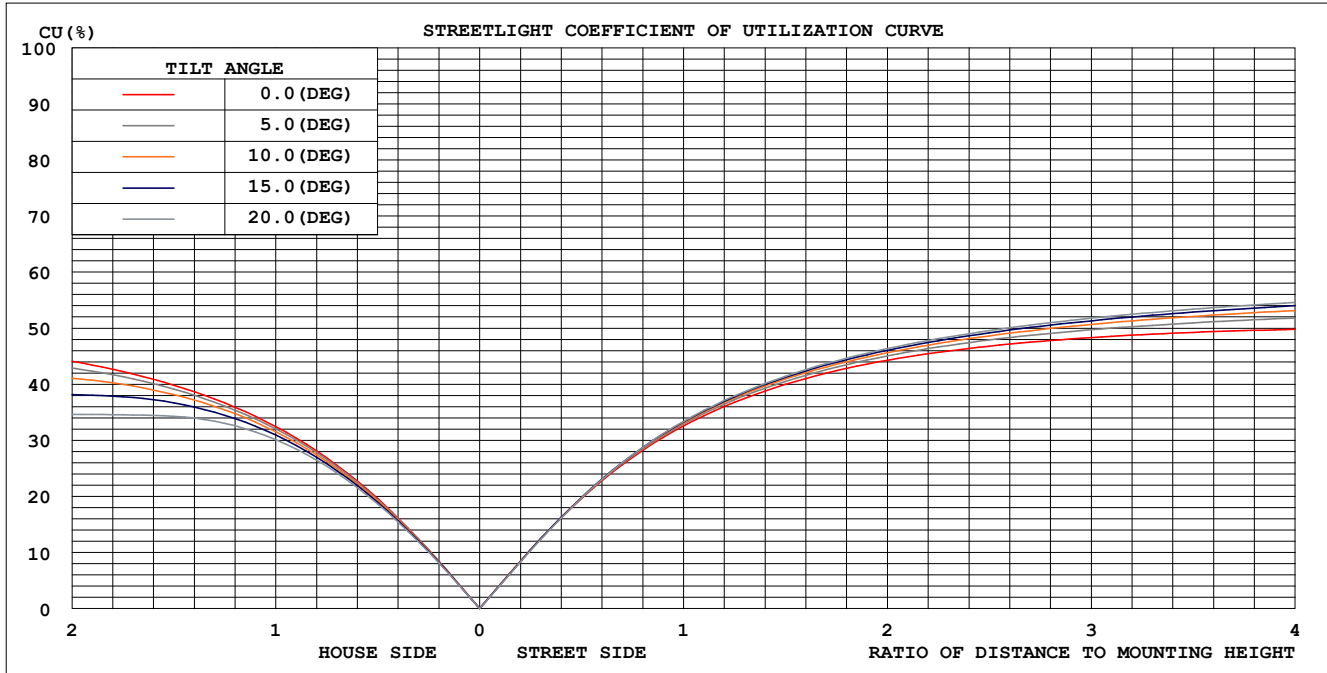
Classification:

IES:Type IV - Medium
CIE:Broad - Long
IES:Cut-off
CIE:Semi-cut-off
Max.At80:93.00cd/klm
Max.At90:3.692cd/klm
Max.80-90:93.00cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8808
90%	7927
80%	7046
70%	6166
60%	5285
50%	4404
40%	3523
30%	2642
20%	1762
10%	881
5%	440

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

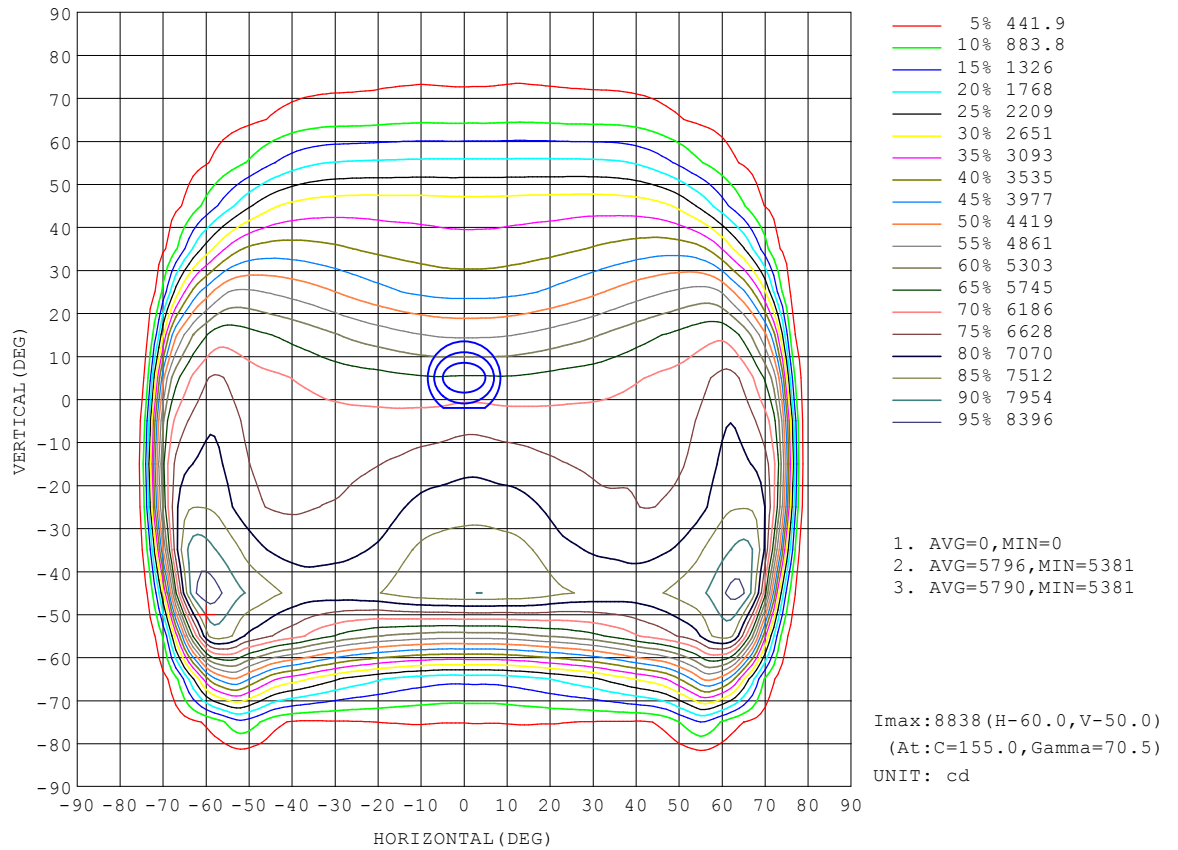
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	6193	6390	6475	6361	6159	5901	5797	5916	0- 5	147.6	147.6	0.65,0.65
10	6141	6528	6737	6489	6122	5622	5381	5622	5- 10	436.8	584.4	2.59,2.59
15	6146	6671	6948	6628	6136	5373	4791	5348	10- 15	715.9	1300	5.77,5.77
20	6185	6780	7160	6710	6183	4997	4201	4970	15- 20	979.2	2279	10.1,10.1
25	6226	6841	7330	6780	6209	4639	3822	4597	20- 25	1226	3505	15.5,15.5
30	6238	6873	7500	6794	6228	4356	3443	4308	25- 30	1459	4964	22,22
35	6276	6846	7749	6770	6276	4083	3276	4038	30- 35	1678	6643	29.5,29.5
40	6337	6866	7999	6772	6335	3795	3109	3751	35- 40	1890	8532	37.8,37.8
45	6408	7029	7949	6963	6401	3579	2866	3560	40- 45	2083	10616	47.1,47.1
50	6465	7267	7899	7203	6484	3267	2622	3288	45- 50	2246	12861	57,57
55	6664	7374	5077	7332	6713	2832	1863	2897	50- 55	2315	15176	67.3,67.3
60	6961	7262	2255	7288	6883	2246	1104	2377	55- 60	2170	17347	76.9,76.9
65	6709	5745	1447	5957	6407	1345	796.9	1491	60- 65	1910	19257	85.4,85.4
70	5985	3772	638.9	3960	5271	659.5	489.6	785.8	65- 70	1588	20845	92.5,92.5
75	2767	969.3	455.5	1098	398.1	353.6	333.0	405.8	70- 75	1095	21940	97.3,97.3
80	274.5	421.0	272.1	469.0	170.5	206.5	176.5	233.2	75- 80	467.4	22407	99.4,99.4
85	142.5	93.62	0	86.40	69.90	53.76	0	59.77	80- 85	122.8	22530	99.9,99.9
90	83.24	0	0	0	73.14	0	0	0	85- 90	15.05	22545	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

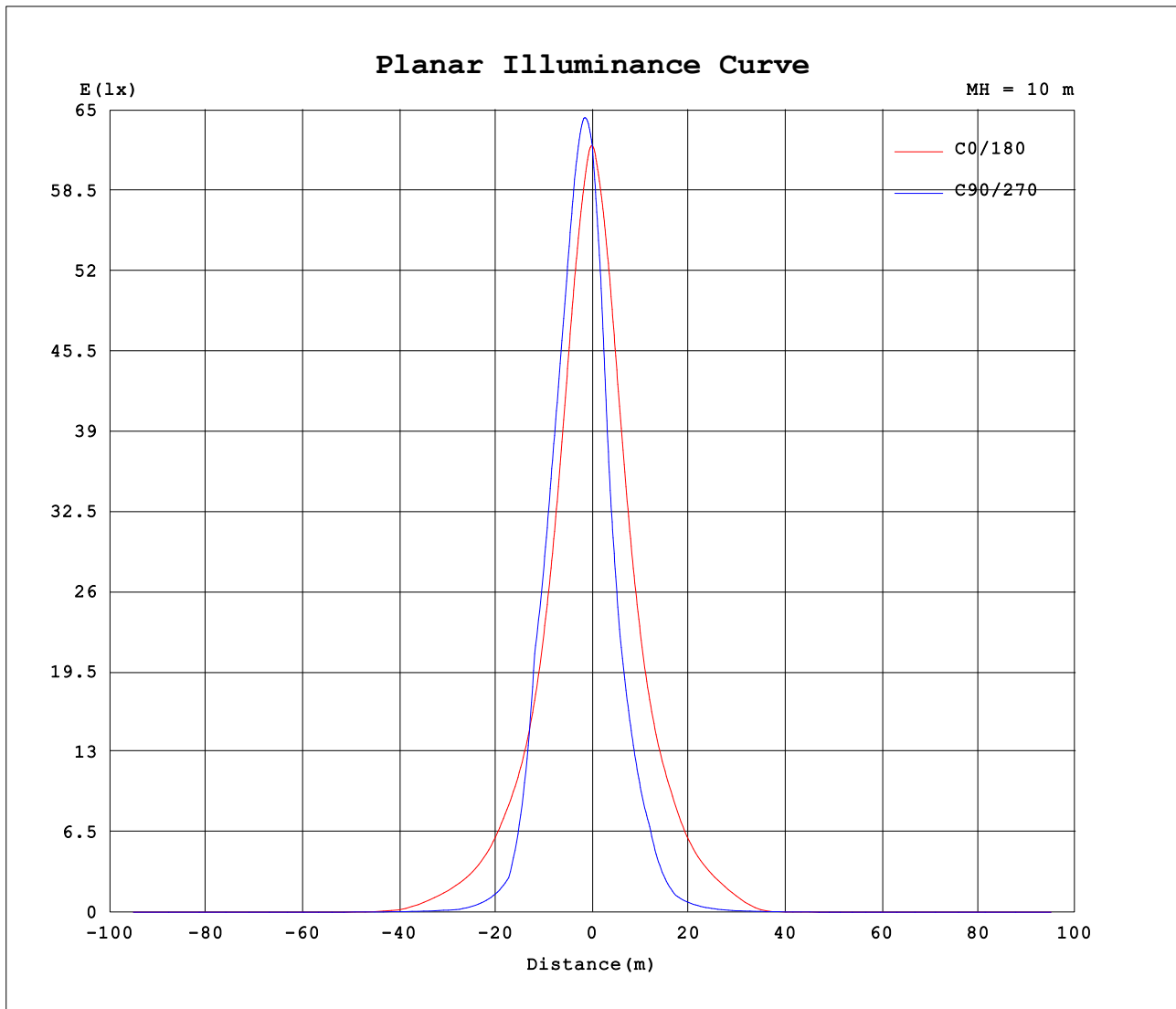
Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



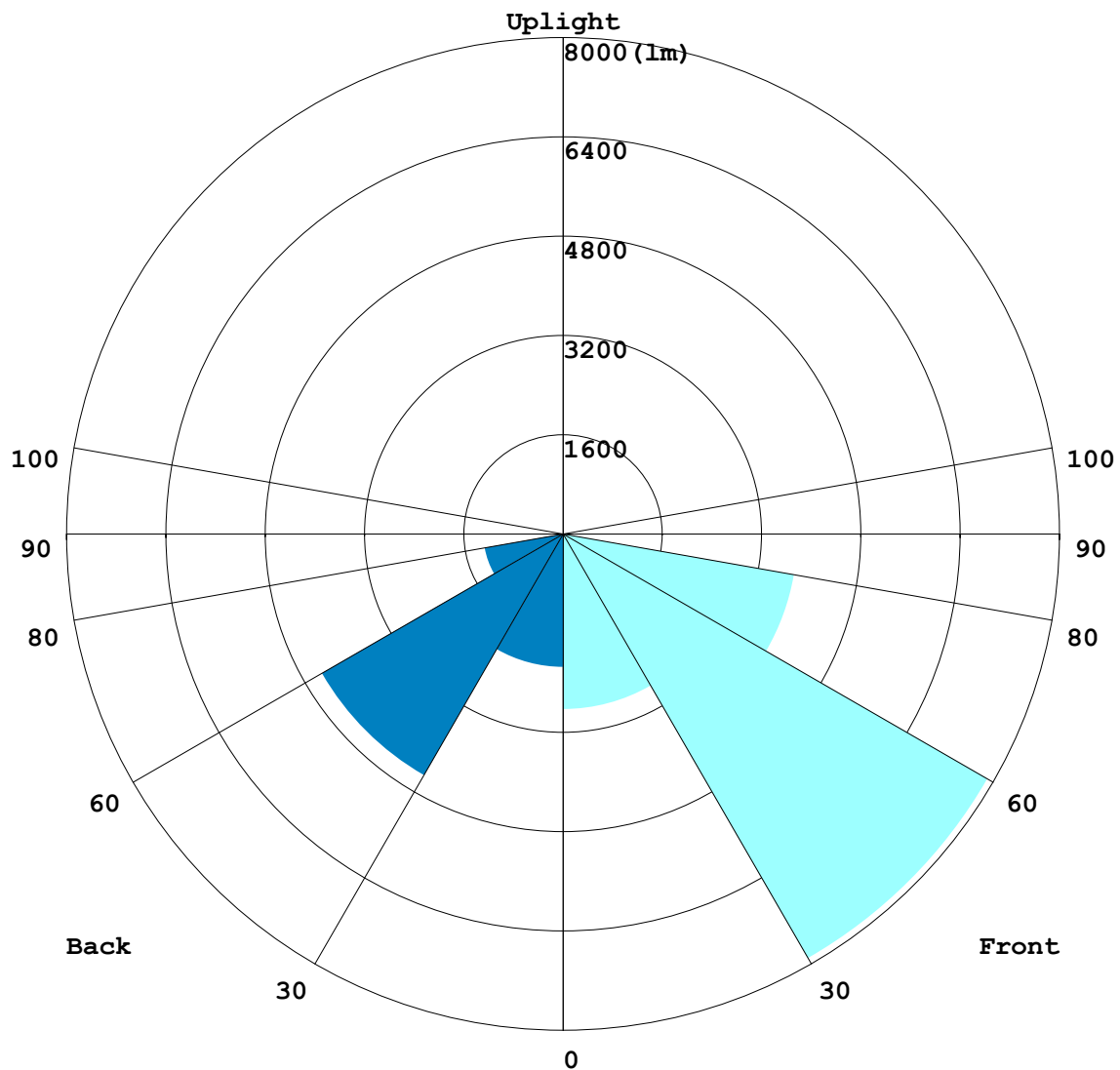
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2822.3	12.5
FM - Front-Medium(30-60)	7893.9	35.0
FH - Front-High(60-80)	3778.9	16.8
FVH - Front-Very High(80-90)	96.652	0.4
Total Forward Light	14592	64.7

BL - Back-Low(0-30)	2141.9	9.5
BM - Back-Medium(30-60)	4488.6	19.9
BH - Back-High(60-80)	1281.4	5.7
BVH - Back-Very High(80-90)	41.219	0.2
Total Back Light	7953.1	35.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7953.1	0	7953.1
Street Side	14592	0	14592

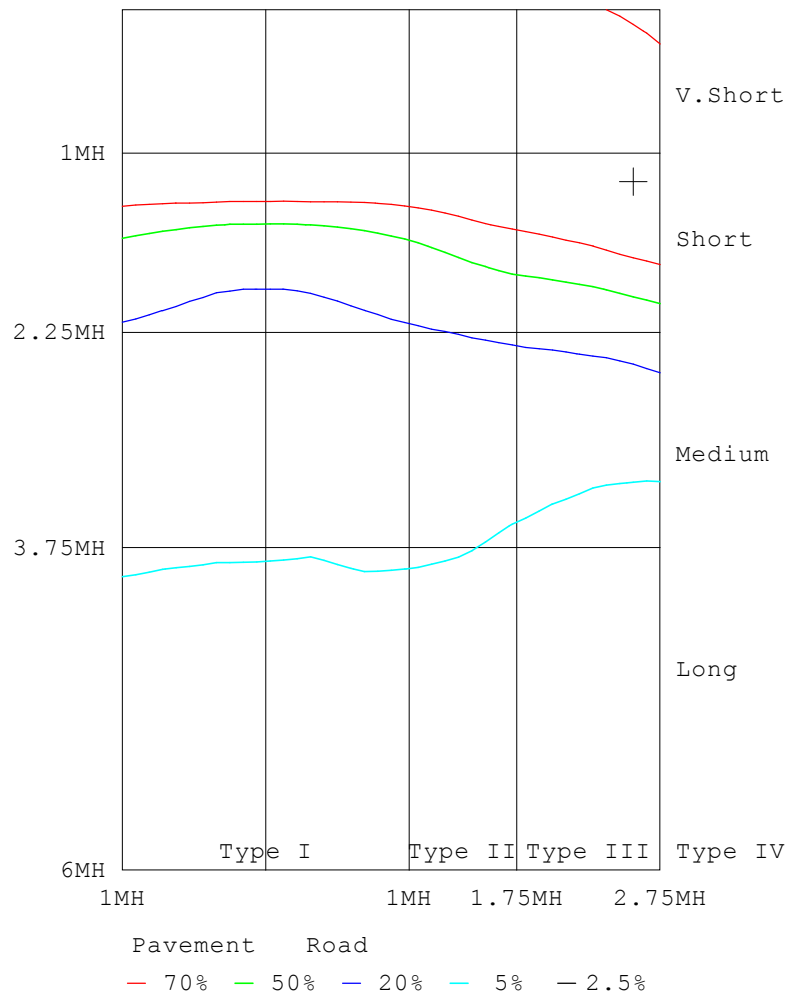
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.6888A P:149.9W PF:0.9859 Lamp Flux:22544.8x1 lm		
NAME: OPCITYIII-150W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```